Author index

A

Abendroth, A. S113 Abendroth, D. S14, S16, S61, S118, S131, S150 Abraham, R. R. 807 Aerts, L. 81 Aichberger, C. S4, S47, S86 Akashi, M. 511 Akazawa, S. 511 Åkerblom, H. K. 282 Alberti, K. G. M. M. 17, 521 Alcolado, J.C. 734 Alder, V. A. 469 Alessi, M. C. 457 Allannic, H. 648 Alleman, Y. 527 Allen, J. A. 62 Allen, T. 225 Alvestrand, A. 114 Amadio, S. S103 Amemiya, H. 133 Andersson, A. 379 Andrews, G. C. 218 Anfossi, G. 662 Annapurna, V. 320 Aoki, S. 40 Appel, M. C. 296 Arner, P. 265, 483 Arnqvist, H. J. 307, 715 Asano, T. 477 Astudillo, E. S40 Attvall, S. 500 Azevedo, M.J. 611

В

Baartz, A. S81 Baartz, T. S81 Bady, B. S100 Bailbé, D. 559 Bakos, S. 796 Balkau, B. 201 Banatvala, J. E. 835 Bandello, F. S92 Barbosa, J. 350 Bardet, S. 648 Bärmeier, H. 622, 727 Barnett, A. H. 109, 171, 576 Baroni, M. G. 260, 734 Bartoš, V. S71, S121 Bauman, B. 515 Beaufrère, B. 186 Bech-Hanssen, O. S128 Bech. K. 655 Beck-Nielsen, H. 239, 275, 655 Becker, H. D. S24, S81 Bedossa, P. 314 Beers, W. A. M. van 534 Beglinger, C. 721 Bell, G. I. 555, 817 Ben. G. P. 595 Bendayan, M. 604 Bendtson, I. 750 Bendtzen, K. 445 Benedict, M. R. 868

Bennett, T. 62 Bentdal, Ø. H. S68, S158 Berden, J. H. M. 126 Berg, K.J. S68 Berger, M. 138 Berschick, B. 232 Bertrams, J. 830 Bianchi, E. S 103 Binder, C. 750 Blackman, J. D. 253 Blom, L. 176, 579, 757 Blum, W. F. 17 Boehm, B.O. 835 Boer, S. F. de 218 Böhmer, K. 830 Boland, O. 182 Bolinder, J. 114, S21, S76, S135 Bolli, G. B. 21, 119 Bonnard, M. 314 Borch-Johnsen, K. 65, 453 Borg, L. A. H. 325 Bornfeldt, K. E. 307, 715 Botta, G. 119 Bouček, P. S121 Bouloux, P. M. G. 260 Bourey, R. E. 763 Brancato, R. S92 Brandenberger, G. 435 Bravenboer, B. 201 Breier, B. H. 790 Brekke, I. B. S18, S68, S158 Brocco, E. 595 Brown, D. C. 531 Brunetti, P. 21, 119 Brunnbauer, M. 52 Brussaard, H. E. 201 Bruun, N. E. 275 Bullinger, M. S150 Burgess, E. 684 Burnett, M. 488 Burzacca, S. 662 Buscema, M. 366 Büsing, M. S24, S81 Butler, P. 702 Byrne, D. C. 531

C

Cabana, V. G. 253
Calcutt, N. A. 397
Caldara, R. S11, S51, S53, S92, S103, S141
Calefato, V. 813
Campbell, I. L. 779
Canal, N. S103
Carlucci, M. S11
Carraro, A. 595
Carrington, A. L. 397
Casamitjana, R. S40
Castoldi, R. S11
Cavallo-Perin, P. 813
Cavalot, F. 662
Cawthorne, M. A. 565

Cecchini, G. 813 Chakrabarti, S. 301 Chang, W. P. 225 Charbonnel, B. 648 Charles, M. A. 356 Chase, H. P. 362 Chatelain, P. 186 Chauvin, F. S100 Chiambretti, A. 813 Chikuba, N. 511 Cho, C. G. 182 Cipollina, M. G. 595 Clark, A. 103, 449 Clark, P. M. S. 531 Clarke, B. F. 182 Claude, J. R. 356 Cohen, D. 685 Cohen, M. P. 766 Colas, Cl. 288 Collins, P. B. 139 Comi, G. S103 Cook, H. W. 709 Cook, J. T. E. 103, 817 Cooper, M. 225 Coppack, S. W. 570 Corry, R. J. S138 Cox, B. D. 531 Creutzfeldt, W. 144, S81 Cringle, S. J. 469 Crisa, L. 93 Cristallo, M. S11 Cullum, N.A. 387

D

Dagnaes-Hansen, F. 2 Dahlquist, G. 176, 579, 757 Daibata, M. 33 Dalqvist, G. 536 Damsbo, P. 239, 655 Dandona, P. 78 Danon, Y. L. 515 Davis, A. J. 320 Dawson, K. 429 Day, N. E. 531 De Feo, P. 21 Deary, I.J. 337 Deckert, T. 65, 164, 453 Dejgaard, A. 655 Devery, R. A. M. 139 Di Carlo, V. S11, S53, S92, S141 Diamantstein, T. 74 Diczfalusy, U. 114 Diem, P. S57 Dietze, G. 137 DiMattio, J. 862 Dimitriadis, E. 225 Djøseland, O. S68 Douglas, R.G. 790 Drexel, H. S47 Druetzler, A. F. 253 Dubernard, J. M. S8, S51, S89, S100

Ducat, L. 61 Duner, E. 595 Dunger, A. 74 Dunlop, M. E. 225 Dupré, J. 429 Durand, A. 314 Dyrberg, T. 33

E

Efendić, S. 265 Egle, H. 835 Eisenbarth, G. 61 Eizirik, D. 379 Eizirik, D. L. 6, 445 Ekstrand, A. 46, 192, 409 Elbein, S. C. 742 Elliott, R.B. 362 Elving, L. D. 126 Ensinck, J. W. 555 Eriksson, J. 46, 192 Eriksson, K.-F. 891 Eriksson, U. J. 325, 373 Eschwège, E. 201, 356 Escriva, F. 559 Esmatjes, E. S40 Ettlinger, C. B. 397 Ewing, D. J. 182

F

Fager, G. S44 Fagrell, B. S135 Fanelli, C. 21 Fauchald, P. S68, S158 Feldt-Rasmussen, B. 65, 164 Felig, P. 345 Fernández-Cruz, L. S40 Ferrannini, E. 416 Ferrari, G. S11, S141 Ferrari, P. 527 Fiedler, F. S61 Fioretto, P. 595 Flatmark, A. S68 Flax, H. 570 Fletcher, J. 109, 576 Flyvbjerg, A. 632, 715 Follenius, M. 435 Fontbonne, A. 356 Forte, F. 366 Fowelin, J. 500 François-Gérard, Ch. 463 Franklin, B. 507 Franssila-Kallunki, A. 46, 192, 409 Fraser, R. 709 Fried, M. 721 Frier, B. M. 337 Frisk, B. S1 Fritschy, W. M. 542 Froesch, E. R. 675 Froguel, P. 685 Frölich, M. 218

Author index

A

Abendroth, A. S113 Abendroth, D. S14, S16, S61, S118, S131, S150 Abraham, R. R. 807 Aerts, L. 81 Aichberger, C. S4, S47, S86 Akashi, M. 511 Akazawa, S. 511 Åkerblom, H. K. 282 Alberti, K. G. M. M. 17, 521 Alcolado, J.C. 734 Alder, V. A. 469 Alessi, M. C. 457 Allannic, H. 648 Alleman, Y. 527 Allen, J. A. 62 Allen, T. 225 Alvestrand, A. 114 Amadio, S. S103 Amemiya, H. 133 Andersson, A. 379 Andrews, G. C. 218 Anfossi, G. 662 Annapurna, V. 320 Aoki, S. 40 Appel, M. C. 296 Arner, P. 265, 483 Arnqvist, H. J. 307, 715 Asano, T. 477 Astudillo, E. S40 Attvall, S. 500 Azevedo, M.J. 611

В

Baartz, A. S81 Baartz, T. S81 Bady, B. S100 Bailbé, D. 559 Bakos, S. 796 Balkau, B. 201 Banatvala, J. E. 835 Bandello, F. S92 Barbosa, J. 350 Bardet, S. 648 Bärmeier, H. 622, 727 Barnett, A. H. 109, 171, 576 Baroni, M. G. 260, 734 Bartoš, V. S71, S121 Bauman, B. 515 Beaufrère, B. 186 Bech-Hanssen, O. S128 Bech. K. 655 Beck-Nielsen, H. 239, 275, 655 Becker, H. D. S24, S81 Bedossa, P. 314 Beers, W. A. M. van 534 Beglinger, C. 721 Bell, G. I. 555, 817 Ben. G. P. 595 Bendayan, M. 604 Bendtson, I. 750 Bendtzen, K. 445 Benedict, M. R. 868

Bennett, T. 62 Bentdal, Ø. H. S68, S158 Berden, J. H. M. 126 Berg, K.J. S68 Berger, M. 138 Berschick, B. 232 Bertrams, J. 830 Bianchi, E. S 103 Binder, C. 750 Blackman, J. D. 253 Blom, L. 176, 579, 757 Blum, W. F. 17 Boehm, B.O. 835 Boer, S. F. de 218 Böhmer, K. 830 Boland, O. 182 Bolinder, J. 114, S21, S76, S135 Bolli, G. B. 21, 119 Bonnard, M. 314 Borch-Johnsen, K. 65, 453 Borg, L. A. H. 325 Bornfeldt, K. E. 307, 715 Botta, G. 119 Bouček, P. S121 Bouloux, P. M. G. 260 Bourey, R. E. 763 Brancato, R. S92 Brandenberger, G. 435 Bravenboer, B. 201 Breier, B. H. 790 Brekke, I. B. S18, S68, S158 Brocco, E. 595 Brown, D. C. 531 Brunetti, P. 21, 119 Brunnbauer, M. 52 Brussaard, H. E. 201 Bruun, N. E. 275 Bullinger, M. S150 Burgess, E. 684 Burnett, M. 488 Burzacca, S. 662 Buscema, M. 366 Büsing, M. S24, S81 Butler, P. 702 Byrne, D. C. 531

C

Cabana, V. G. 253
Calcutt, N. A. 397
Caldara, R. S11, S51, S53, S92, S103, S141
Calefato, V. 813
Campbell, I. L. 779
Canal, N. S103
Carlucci, M. S11
Carraro, A. 595
Carrington, A. L. 397
Casamitjana, R. S40
Castoldi, R. S11
Cavallo-Perin, P. 813
Cavalot, F. 662
Cawthorne, M. A. 565

Cecchini, G. 813 Chakrabarti, S. 301 Chang, W. P. 225 Charbonnel, B. 648 Charles, M. A. 356 Chase, H. P. 362 Chatelain, P. 186 Chauvin, F. S100 Chiambretti, A. 813 Chikuba, N. 511 Cho, C. G. 182 Cipollina, M. G. 595 Clark, A. 103, 449 Clark, P. M. S. 531 Clarke, B. F. 182 Claude, J. R. 356 Cohen, D. 685 Cohen, M. P. 766 Colas, Cl. 288 Collins, P. B. 139 Comi, G. S103 Cook, H. W. 709 Cook, J. T. E. 103, 817 Cooper, M. 225 Coppack, S. W. 570 Corry, R. J. S138 Cox, B. D. 531 Creutzfeldt, W. 144, S81 Cringle, S. J. 469 Crisa, L. 93 Cristallo, M. S11 Cullum, N.A. 387

D

Dagnaes-Hansen, F. 2 Dahlquist, G. 176, 579, 757 Daibata, M. 33 Dalqvist, G. 536 Damsbo, P. 239, 655 Dandona, P. 78 Danon, Y. L. 515 Davis, A. J. 320 Dawson, K. 429 Day, N. E. 531 De Feo, P. 21 Deary, I.J. 337 Deckert, T. 65, 164, 453 Dejgaard, A. 655 Devery, R. A. M. 139 Di Carlo, V. S11, S53, S92, S141 Diamantstein, T. 74 Diczfalusy, U. 114 Diem, P. S57 Dietze, G. 137 DiMattio, J. 862 Dimitriadis, E. 225 Djøseland, O. S68 Douglas, R.G. 790 Drexel, H. S47 Druetzler, A. F. 253 Dubernard, J. M. S8, S51, S89, S100

Ducat, L. 61 Duner, E. 595 Dunger, A. 74 Dunlop, M. E. 225 Dupré, J. 429 Durand, A. 314 Dyrberg, T. 33

E

Efendić, S. 265 Egle, H. 835 Eisenbarth, G. 61 Eizirik, D. 379 Eizirik, D. L. 6, 445 Ekstrand, A. 46, 192, 409 Elbein, S. C. 742 Elliott, R.B. 362 Elving, L. D. 126 Ensinck, J. W. 555 Eriksson, J. 46, 192 Eriksson, K.-F. 891 Eriksson, U. J. 325, 373 Eschwège, E. 201, 356 Escriva, F. 559 Esmatjes, E. S40 Ettlinger, C. B. 397 Ewing, D. J. 182

F

Fager, G. S44 Fagrell, B. S135 Fanelli, C. 21 Fauchald, P. S68, S158 Feldt-Rasmussen, B. 65, 164 Felig, P. 345 Fernández-Cruz, L. S40 Ferrannini, E. 416 Ferrari, G. S11, S141 Ferrari, P. 527 Fiedler, F. S61 Fioretto, P. 595 Flatmark, A. S68 Flax, H. 570 Fletcher, J. 109, 576 Flyvbjerg, A. 632, 715 Follenius, M. 435 Fontbonne, A. 356 Forte, F. 366 Fowelin, J. 500 François-Gérard, Ch. 463 Franklin, B. 507 Franssila-Kallunki, A. 46, 192, 409 Fraser, R. 709 Fried, M. 721 Frier, B. M. 337 Frisk, B. S1 Fritschy, W. M. 542 Froesch, E. R. 675 Froguel, P. 685 Frölich, M. 218

Frystyk, J. 632 Fujii, E. 537 Fukushima, H. 801 Fuller, J. H. 584, 590 Funda, J. 232 Funder, J. 453

G

Gade, J. 750 Gain-Gueugnon, M. S89 Galardi, G. S103 Gall, M.-A. 275, 655 Gallaher, B. 790 Gallioli, G. S11 Galton, D.J. 260 Galuska, D. 899 Ganes, T. S68 Gassner, R. S4 Gatta, C. 366 Geburher, L. 186 Gelet, A. S8 Gerich, J. E. 607 Getz, G.S. 253 Gidlöf, R.A. 307 Gilmore, J. E. 62 Ginsberg-Fellner, F. 507 Giorato, C. 595 Girling, A.J. 171 Gjellestad, A. S68 Glück, M. 835 Gluckman, P.D. 790 Goetz, F.C. 350 Goillot, E. 314 Gordon, O. 515 Gottlieb, P.A. 296 Graffenried, B. von 429 Gray, L. 171 Greiner, D. L. 296 Gries, F. A. 429, 822, 830 Grill, V. 373 Groop, L. 192, 409 Groop, L.C. 46 Gross, C. R. S145 Gross, J. L. 611 Groth, C.-G. 345, S21, S76, S125 Gunnarsson, R. 345

H

Haffner, S. M. 416 Hägglöf, B. 579 Hahn, H.J. 74 Halban, P. A. 202, 767 Hales, C. N. 531 Haliburton, B. 709 Hamaguchi, T. 801 Hamet, P. 429 Hampl, W. 835 Hanabusa, T. 129 Hanafusa, T. 133 Handler, E.S. 296 Haneda, M. 198 Hansen, L. B. 17 Häring, H. U. 848 Harrison, L.C. 779 Hart, L. K. S138 Hartmann, A. S68, S158 Hartmann, H. 144 Hartter, E. 52 Hashimoto, N. 86 Hashimoto, T. 332 Hauner, H. 835 Hawrami, K. 441 Hayes, J. R. 62 Haymond, M. 702 Hedlund, B. 350 Hedman, L. 668, S1 Heidland, A. 786 Heinemann, L. 60 Heinze, E. 835 Hellerström, C. 1 Helqvist, S. 150 Henry, M. 709 Hepburn, D. A. 337 Herberg, L. 2 Hillebrand, G. S16 Hitman, G.A. 441 Hohman, T.C. 695 Holdaas, H. S68, S158 Holemans, K. 81 Homan, M. 702 Hommel, E. 370 Hoorens, A. 390 Höppener, J. W. M. 103 Hopt, U.T. S24, S81 Horide, N. 198 Hother-Nielsen, O. 239, 275 Hougaard, P. 655 Howell, S. L. 454 Hübinger, A. 830 Humphreys, R. E. 33 Hutton, J. C. 449 Hýža, Z. S121

ı

Ichinose, K. 801 Ihm, S. H. 548 Illner, W.-D. S14, S16, S61, S113, S118, S131, S150 Ishihara, H. 477 Ishii, H. 332 Iwamoto, Y. 737

J

Jackson, R. A. 93 Jacobs, K. H. 109, 576 Jalkanen, P. 373 James, R. W. 246 Jansen, J. B. 721 Jansson, L. 379 Jansz, H.S. 218 Jarrett, R. J. 584, 590 Jenkins, D. 109, 576 Jensen, J. S. 370, 453 Jensen, M. 702 Jensen, T. 164 Jervell, J. S68 Johannesen, J. 150 Johansson, B. 373 Johansson, B.-L. 423, 899 Johnson, A. H. 139 Joner, G. 29, 271 Jones, S. L. 59 Jörneskog, G. S135

Josefsberg, Z. 684 Juhan-Vague, I. 457 Jungmann, E. 843

Kajiwara, N. 198

K

Karasová, L. S71 Karjalainen, J. 402 Karlberg, I. 668 Karp, M. 515 Katagiri, H. 477 Kato, M. 40 Katz, H. 702 Kay, T. W. H. 779 Kazdová, L. S71 Keck, F.S. 60 Keen, H. 584, 590 Keilacker, H. 830 Keller, U. 721 Kennedy, W. R. S108 Kergoat, M. 559 Kerner, W. 60 Kieselbach, G. S86 Kikkawa, R. 198 Kirkham, D. M. 565 Kishikawa, H. 801 Klein, R. 680 Klöppel, G. 390 Kneteman, N. M. 55 Knight, R. 488 Knowles, W. 796 Ko, I. Y. 548 Koch, M. 463 Koea, J. B. 790 Kohner, E. M. 845 Koivisto, V. A. 429, 763 Kolb-Bachofen, V. 232 Kolb, H. 232, 429, 830 Kondo, M. 129 König, A. S150 Königsrainer, A. S4, S47, S86 Kono, N. 133 Koopmans, S. J. 218 Koranyi, L. I. 763 Korsgaard, L. 632 Korsgren, O. 379 Kovář, J. S71 Koya, D. 198 Krans, H. M. J. 218 Kreutter, D. K. 218 Krolewski, A.S. 452 Kröncke, K.-D. 232 Kruszynska, Y. T. 205 Kuenburg, E. 52 Kuglin, B. 830 Kumakura, S. 737 Kuroda, Y. 40 Kuttler, B. 74 Kutty, K. M. 320 Kuzuya, T. 737

L

La Rocca, E. S11, S53, S141 Laffel, L. 452 Lager, I. 500 Lake, M. 307 Lamers, C. B. 721 Land, W. S14, S16, S61, S95, S113, S118, S131, S150 Landgraf, R. S14, S16, S61, S95, S113, S118, S131, S150 Landgraf-Leurs, M. M. C. S113 Landin-Olsson, M. 33 Langan, S. J. 337 Larkins, R.G. 225 Laron, Z. 515 Lauritzen, E. † 655 Lauritzen, M. 655 Lauritzen, T. 164 Laver, N. 695 Law, W. R. 687 Le Guen, C. 171 Leahy, J. L. 640 Lefèbvre, P. 847 Lefrancois, N. S8, S51, S89, S 100 Lell, B. 52 Lemaire, I. 463 Lernmark, Å. 33, 61, 534, 727 Levy, D. M. 807 Levy, J. C. 488, 570 Lewis, G. F. 253 Li, S. R. 260, 734 Limal, J. M. 648 Lin, J.-L. 477 Lindgärde, F. 891 Lips, C. J. M. 103 Lithell, H. 483 Lloyd, J. 449 Lönnberg, G. 579, 757 López-Boado, M. A. S40 Lounamaa, P. 282 Lounamaa, R. 282 Ludvigsson, J. 33, 534 Ludvik, B. 52 Luft, R. 265 Lukens, J. R. 253 Lunec, J. 171 Luthman, H. 265

M

Ma, N. 301 Maassen, J. A. 218 Mackay, I.R. 796 Maclaren, N. K. 534 Maeda, Y. 511 Mahon, J. 387 Mair, N. S113 Makino, H. 86 Makita, Z. 40 Mansfeld, A. D. M. van 218 Marechal, J. M. S8 Margreiter, R. S4, S47, S86 Markholst, H. 390 Marre, M. 648 Marshall, S. M. 632 Martani, C. S11 Martin, S. 429 Martin, X. S8, S51, S89, S100 Martinenghi, S. S11, S53, S92, S103, S141 Massucco, P. 662 Mather, K. 684 Mathiesen, E. 453 Mathiesen, E. R. 164, 370 Mathieu, P. 288

Matsuda

Matsuda, A. 737 Matthews, D. R. 488, 570 Mattiello, L. 662 Maugendre, D. 648 Mayer, P. 822 McArthur, R. 429 McCaleb, M. L. 695 McCormack, J. G. 205 McCulloch, D. K. 622, 727 McEvoy, R.C. 507 McIntyre, N. 205 McKean, M. L. 695 McLane, M.P. 687 McLean, W.G. 387 Mehnert, H. 137 Mehta, A. E. 429 Mengel, A. 17, 521 Menzel, E.J. 12 Meyer-Schwickerath, E. S95 Michelsen, B. 33 Miesenböck, G. S47 Miettinen, A. 46 Mijovic, C. 109 Mijovic, C. H. 576 Milde, F. K. S138 Miller, K. S86 Mimura, M. 86 Misawa, K. 40 Misra, V. P. 78 Mitchell, B. D. 416 Mizuguchi, H. 613 Mjörnstedt, L. S44 Møller, N. 17, 521 Modan, M. 515 Mohan, R. 441 Mohan, V. 441 Molenaar, J. L. 534 Mollo, F. 595 Mordes, J. P. 296 Moriarty, M.T. 687 Morocutti, A. 595 Morris, J. F. 449 Morrish, N. J. 584, 590 Moss, S. E. 680 Mosselman, S. 103 Mueckler, M. 763 Mühlen, H. 822 Mühlhauser, I. 138 Muir, P. 835 Mularoni, E. 662 Müller-Felber, W. S113 Muraki, T. 537 Murphy, G.J. 565 Murphy, M. 454

N

Nagataki, S. 511, 534 Nakagawa, S. 40 Nakajima, H. 133 Nakanishi, T. 511 Nakano, Y. 129 Nakayama, H. 40 Nanjo, K. 129 Nauck, M. S81 Navarro, X. S108 Nawata, H. 332 Neifing, J. L. 622, 727 Neilson, J. M. M. 182 Nerup, J. 150, 429 Nicholson, C. P. 702
Nishi, M. 555
Nishimura, S. 129
Niskanen, L. 402
Nørgaard, K. 65, 370, 453
Nobel, E. de 126
Noguchi, T. 133
Nomoto, T. 537
Nordén, G. S1
Nosadini, R. 63, 595
Novials, A. 449
Nozaki, O. 86
Nusser, J. S14, S61, S95, S113, S118, S150
Nyberg, G. 668, S1, S44, S128
Nyström, L. 176

0

Ørskov, H. 632, 715 Ørskov, L. 521 Østerby, R. 668 Oelbaum, R.S. 260 Öfner, D. S86 Ohagi, S. 555 Oka, Y. 477 Okai, K. 129 Oki, C. 129 Okumura, K. 613 Okuno, S. 511 Olausson, M. S1, S44, S128 O'Meara, N. M. G. 139, 253 Onaya, T. 86 Ooshima, A. 198 Opocher, G. 595 O'Rahilly, S. 103 Orgiazzi, J. 186, 314 Östman, J. 345, 423, S21, S76 Ott, J. 61 Ouary, M. 212 Owens, D. 139 Oxbrow, L. 779

P

Pääbo, S. 626 Paczek, L. 786 Pagano, G. 813 Page, R. C. 103 Palmer, J. 33 Palmer, J. P. 622, 727 Palos, G. S47 Panter, S.S. 350 Park, I.-S. 604 Partke, H.J. 2 Parving, H. H. 201, 275, 370, Pascual-Leone, A. M. 559 Passa, P. 685 Patel, N.J. 78 Patel, P. 817 Patel, P. P. 103 Patrick, S. 29 Patsch, J. R. S47 Pedersen, O. 521 Pelikánová, T. S71 Penny, M. A. 109, 576 Perkins, J. 702

Permutt, M. A. 61, 763

Perriello, G. 21, 119 Persson, A. S125 Persson, H. 668 Petry, I. S16 Pfeiffer, E. F. 60, 835 Piehlmeier, W. S 150 Pipeleers, D. 390, 847 Pipeleers-Marichal, M. 390 Pogu, S. 212 Polla, B. S. 150 Pollare, T. 265, 483 Polonsky, K.S. 253 Pometta, D. 246 Porta, M. 844 Portha, B. 559 Pozza, G. S11, S51, S53, S92, S 103, S 141 Prager, R. 52 Pugh, W. L. 253 Purrello, F. 366

0

Qvistbäck, H. 33

R

Rabinovitch, A. 55 Rabuazzo, A. M. 366 Radder, J. K. 218 Raffel, L. J. 680 Rajotte, R. V. 55, 727 Rambotti, A. M. 119 Rapaille, A. 463 Rasmussen, O. 521 Reihsner, R. 12 Reneltová, I. S71 Rett, K. 137 Reunanen, A. 282 Rewers, M. 282 Ricart, M.J. S40 Rich, S. S. 350 Richard, J. L. 356 Richman, R. A. 868 Riepl, R. L. S61 Riesen, W. 527 Rizza, R. 702 Robertson, R. P. S57 Robison W. G. Jr. 695 Rohmer, V. 648 Rosenfalck, A. M. 750 Ross, S. 684 Rosselin, G. E. 356 Rossing, P. 655 Rossini, A. A. 296 Roth, M.-P. 680 Rotter, J. I. 680 Rowley, D. A. 807 Rowley, M. J. 796 Rubinstein, P. 61 Rudenski, A. 488 Russell, H. 709 Ryan, E. 55

S

Sacerdoti, D. 595 Sada, M. 133 Sadler, T. W. 289

Saggar-Malik, A. K. 114 Sahlin, B. 579 Saï, P. 212, 648 Sairenji, T. 33 Saloranta, C. 46, 192, 409 Sambataro, M. 595 Sandler, S. 6, 445 Sanke, T. 129 Santeusanio, F. 21, 119 Sarlund, H. 402 Sato, H. 613 Saudek, F. S71 Sawicki, P. T. 138 Schaefer, R. M. 786 Schalin, C. 192 Schareck, W. D. S24 Scheider, A. S95 Schenck, H. von 500 Scherbaum, W. A. 835 Schernthaner, G. 429 Scheuer, R. S118 Schilfgaarde, R. van 542 Schleibner, S. S16 Schlienger, J. L. 435 Schmand, J. S131 Schmid, Th. S4 Schmitz, F. 144 Schmitz, O. 17, 521 Schneeberger, H. S16 Schoenle, E.J. 675 Schuller, M. 52 Schwizer, W. 721 Secchi, A. S11, S51, S53, S92, S 103, S 141 Seefeldt, T. 521 Seelis, R. E. A. 55 Seißler, J. 835 Semana, G. 648 Senciall, I. 320 Shackleton, J. R. 531 Shaw, J. H. F. 790 Shaw, S. 527 Shibasaki, Y. 477 Shichiri, M. 801 Shigeta, Y. 198 Shimada, F. 86 Shiraishi, I. 737 Shirotani, T. 801 Shum, L. 289 Siegel, E.G. S81 Silitonen, O. 402 Sima, A. A. F. 301 Simmons, D. A. 157 Simon, C. 435 Simpson, L.O. 64 Sinclair, A.J. 171 Sjöberg, S. 423 Skibová, J. S121 Skøtt, P. 275, 655 Skottner, A. 307 Slaviero, G. S141 Smith, U. 500 Søvik, O. 271 Sodoyez-Goffaux, F. 463 Sodoyez, J. C. 463 Solders, G. S125 Sondag, D. 463 Sorensen, L. K. 742 Sorli, C. H. 33 Spielman, R. 61

Spotti, D. S141

Standl, E. 429 Starke, A. A. R. 60 Staudacher, C. S11, S141 Steiner, D. F. 555 Sten-Linder, M. 265 Stenvinkel, P. 114 Stephenson, J. 62 Stern, I. 265 Stern, M. P. 416 Steurer, W. S4, S86 Stevens, L. K. 584, 590 Stiller, C. 429 Stocks, J. 260 Strandell, E. 6 Stringer, K. 387 Strubbe, J. H,. 542 Stümpel, F. 144 Su, E.-N. 469 Sundkvist, G. 33 Sutherland, D. E. R. S28, S57, S 108 Suzuki, Y. 86 Svalander, C. 668 Svoboda, T. 52

Т

Taira, M. 86
Takaku, F. 477
Talartschik, J. S81
Tan, M. H. 429
Tanaka, T. 133
Taneda, S. 40
Tarui, S. 133
Taskinen, M.-R. 409
Tawata, M. 86
Tchobroutsky, G. 288
Terasaki, T. 613
Teschner, M. 786

Thibult, N. 356 Thivolet, C. 186 Thivolet, C. H. 314 Thomas, P. K. 78 Thomsen, C.E. 750 Thorn, N. A. 839 Tibell, A. S21, S76 Tochobroutsky, G. 67 Togawa, M. 198 Tomalino, M. 813 Tomkin, G. H. 139 Tomlinson, D. R. 397 Torlone, E. 21, 119 Torresani, T. 675 Torri, G. S11 Touraine, J. L. S51 Tracey, D. E. 445 Trepsat, C. S89 Trevisan, R. 63 Trovati, M. 662 Tsuji, A. 613 Tsukuda, K. 477 Tuomilehto, J. 282 Tuomilehto-Wolf, E. 282 Turner, R. C. 103, 488, 570, 817 Tydén, G. S21, S76, S125, S135

U

Uehara, M. 801 Umeda, F. 332 Urbino, R. 813 Usadel, K.-H. 843 Uusitupa, M. 402

V

Vaag, A. 239, 275, 655 Vadheim, C. M. 680 Vague, P. 457 Van Assche, F. A. 81 Van Vliet, S. 429 Vaněk, I. S121 Vardi, P. 93 Velho, G. 685 Vetri, M. 366 Vial, C. S 100 Viberti, G. C. 59, 63 Vigano, C. S92 Vigneri, R. 366 Viguier, J. L. S8 Vilhelmsdotter, S. 265 Vinci, C. 366 Volk, H. D. 74 Vuorinen-Markkola, H. 763

W

Wada, S. 801 Wagner, St. S113 Wahren, J. 345, 423 Wahrenberg, H. 114 Wainscoat, J. S. 103, 817 Wallberg-Henriksson, H. 899 Wallentin, I. S128 Wang, T. W. M. 531 Warnet, J. M. 356 Warnock, G. 727 Warnock, G. L. 55 Warram, J. H. 452 Wasteson, A. 307 Wedell, A. 265 Weidmann, P. 527 Weir, G. C. 640 Welsh, M. 626 Welsh, N. 626 Werder, E. A. 675

Wetzels, J. F. M. 126 Wicklmayr, M. 137 Widén, E. 192 Wilberz, S. 2 Wilczek, H. 345 Wildschiodtz, G. 750 Williams, D. R. R. 531 Winegrad, A. I. 157 Wiseman, M. J. 59 Woloszczuk, W. 52 Wolters, G. H. J. 542 Wright, J. R. Jr 709

Y

Yamagata, K. 133 Yamaguchi, K. 801 Yamaguchi, Y. 511, 534 Yamamoto, H. 511 Yki-Järvinen, H. 763 Yoon, J. W. 548 Yoshida, S. 86 Young, P. 565 Yu, D.-Y. 469

\mathbf{Z}

Zachmann, M. 675 Zech, J. C. S89 Zehr, P. S. S138 Zehrer, C. L. S145 Zenobi, P. D. 675 Zhou, A. 839 Ziegler, D. 822 Zierath, J. R. 899 Zimmet, P. 796

Subject Index

KEY: A = Abstract (in Supplement 2), b = Book review, c = Correspondence, r = Review or Debate, S = Supplement 1 (Pancreas Transplantation workshop) w = other workshop or study group report

- 5-hydroxytryptamine agonist 5-methoxy-N,N-dimethyltryptamine 537
- 8-hydroxy-2-(di-n-propylamino)teralin
- head-weaving, effect on 537

A

- A-cell, pancreatic CRIP A84
- insulin, effect of 801
- Acanthosis nigricans insulin resistance 86 Accident - cause of death in Type 1 diabe-
- Acetyl CoA carboxylase islet B-cell A81 Acipimox [see Antilipolytic therapy]
- ACTH 22-39 B-cell tropin A14
- analogue Org 2766 experimental neuropathy A21
- Activin A insulin release, effect on A25 Adamantanamine - insulin-secreting cell, effect on A88
- Adenosine diabetic rat, effect in A92
- Na+/K+ATPase inhibition by hyperglycaemia, role in 157
- Adipose tissue brown MRI in vivo
- insulin action catecholamines and A127
- lactate production A127
- pentose phosphate pathway rat A118 Adrenaline - glucose transport - muscle
- Adrenoceptor B blockade insulin sensitivity, effect on A148
- islet A84
- Affinity chromatography glycated albumin 766 c
- AGE [see Glycation end product advancedl
- Age Type 1 diabetes onset C-peptide A 109
- HLA A102
- Ageing amino-acid metabolism A131
- glucose transporter gene expression in rat
- Albumin excretion rate aldose reductase inhibitor, effect of - rat 225
- - exercise glycation not involved 813
- normal renal function and A1
- prospective study A2
- Type 2 diabetes complications 655
- glycated [see also Fructosamine] nerve permeability 78
- urine measurement storage A132 Albuminuria - exercise-induced - picota-
- mide, effect of A27 Type 2 diabetes - newly-diagnosed A 143
- prevalence in 655
- Alcohol abuse autonomic neuropathy assessment A156
- insulin degradation, effect on A129

- overnight diabetes control, effect on A188
- Aldose reductase inhibitor autonomic neuropathy A37
- diabetic nephropathy A28
- diabetic vs hypoxic nerve damage rat
- glomerular prostaglandin, effect on rat 225
- imirestat rat 397
- microalbuminuria A135
- neuropathy, in A152, A153
- sulphonylnitromethanes A21
- tolrestat A22
- streptozotocin diabetes 695
- Alloxan galanin, pancreatic, effect on A96
- Altitude, high hypoglycaemia A 188 Amino acid metabolism A130, A131 Aminoguanidine - glycation, inhibition of
- A8, A162 Amputation - diabetic foot clinic, effect of
- A 161 Amylin (Islet amyloid peptide) [see also CGRP] A42, A104-A106
- autoantibody A43
- flanking peptide islet localisation 449
- gene Type 2 diabetes, not linked 103
- expression A43
- insulin resistance, effect on 218
- pancreas, effect on A42
- plasma gestational diabetes A 198
- insulin co-secretion 52
- Type 2 diabetes glucose load, effect of 129
- precursor sequence dog and monkey 555
- tissue distribution A43
- Amyloid islet 555
- localisation diabetes 449
- Angiotensin II response to in Type 1 diabetes 595
- converting enzyme inhibitor A38
- captopril Type 2 diabetes 119
- insulin resistance A 148
- nephropathy A28
- renal effect 843 c
- microalbuminuria A17
- Animal model [see Hamster, Mouse, Rabbit, Rat, Streptozotocin]
- Anorexia nervosa Type 1 diabetes 288 c Anthropometry - glucose tolerance 531
- Antibody advanced glycation endproducts
- IgA A 163 - amylin A43
- glutamic acid carboxylase Type 1 diabe-
- insulin auto- assay A191, A192
- - gestational diabetes 507
- HLA association in Type 1 diabetes A 190
- - maternal diabetes A56
- - Type 1 diabetes 830

- - age at onset A58
- islet-cell adult diabetes 46
- - assay substrate pancreas metabolic state 622
- - BB rat 548, A79
- - diabetes Nauru 796
- disappearance lymphocyte clones detectable 511
- - gestational diabetes 507
- - glutamic acid decarboxylase prediabetes Type 1 727
- - IgG₁ subclass restriction A189
- - maternal diabetes A56
- - relatives of Type 1 diabetics 362, 186
- insulin secretion 93
- - standardisation Fourth International Workshop 534w
- - surface insulin-induced A80
- - unreactive with normal islet cells A 190
- - thyroid microsomal crossreactivity A 192
- - transformed lymphocytes, production by 511
- - Type 1 diabetes age at onset A58
- - C-peptide A109
- - Type 2 diabetes A57
- follow-up study 402
- viral antibodies, no association in nondiabetics 835
- proinsulin assay binding affinity, effect of 463
- - Type 1 diabetes 830, A57
- - monoclonal 463
- reticulin Type 1 diabetes A189
- thyroid microsomal crossreacting with islet cells A 192
- Antilipolytic therapy acipimox A142
- immunological effects A179
- Antiport Na⁺/H⁺ protein kinase C, role of 201c
- Antitrypsin α 1 gene Type 1 diabetes A99
- Apolipoprotein B glycation A7
- Arachidonic acid islet, effect on A73
- polyunsaturated glucose-6-phosphatase, effect on A116
- Artery compliance A166
- smooth muscle Na+/K+ATPase hyperglycaemia, effect of 157, A134
- Ascorbic acid diabetic nephropathy A132
- metabolism diabetes 171
- oxidative stress, effect on diabetes A 136
- pancreas rat 839
- Aspirin thromboxane A2, effect on A27 Atherosclerosis A60
- plasminogen activator inhibitor 1 levels 457 r
- ATPase, Na+/K+ arterial smooth muscle - hyperglycaemia, effect of 157
- nerve insulin, effect of streptozotocin diabetes 397

- Atrial natriuretic peptide Type 1 diabetes 114, A30, A31
- Autoantigen, islet-cell A17, A18
- 38kD BB rat 548
- expression metabolic state, effect of 622
- glutamate decarboxylase A96-A99
- insulin granule 38kD A57
- monoclonal ICA A57

B

- B-cell, pancreatic [see also Islet; Insulin release; Insulin - synthesis]
- adaptation to partial pancreatectomy A86
- autoimmune destruction protective lymphocytes 74
- Ca+ channel L-type A89
- electrical activity A88
- function assessment glucose clamp
- interleukin A8
- ion channel [see also Ion channel]
- morphometry functional correlates A93
- Na⁺/Ca²⁺ exchange A73
- - reverse A82
- protein kinase C A82
- replication interleukin-1, effect of A95
- - regulation A95
- structural domains 767 r
- volume regulation A84
- BCT [see ACTH 22-39]
- Biopsy foot ulcer fine needle A162
- renal diabetes A167
- Birthweight maternal diabetes A200 Blood - flow - cerebral - hypoglycaemia A187
- diabetes 62c, A73, A74
- hyperinsulinaemia, effect of A147
- skin Type 1 diabetes pancreas transplantation S131, S135
- Type 1 diabetes prostaglandin role A135
- pressure [see also Hypertension]
- circadian variation diabetes A159, A 160
- insulin, effect of Type 2 diabetes A145, A146
- kidney with pancreas transplant, after A 169
- retinal barrier astemizole, effect of in diabetes A151
- Body mass index 531
- Bone mineral density diabetes A163
- Brain glucose consumption A59
- Browning [see Glycation; Maillard reaction] Bulimia - Type 1 diabetes 288c

C

- C-peptide 767r, A107-A110
- glucose clamp studies 488
- glucose transport, effect on skeletal muscle 899
- hepatic uptake 423
- human biosynthetic infusion disposal route 423
- pancreas transplantation S81

- pharmacokinetics A184
- renal uptake 423
- therapy A184 Calcium channel antagonist insulin resistance A36
- ionophore A23187 platelets 332
- Calcitonin-gene-related peptide [see CGRP]
- Calorimeter flow micro- A114 Capillary - basement membrane - anionic
- sites BB rat 301
- glucose phosphorylation A116 permeability - diabetes A136
- hypertension A62
- pressure diabetes metabolic control A166
- Cardiomyopathy diabetic islet transplantation in A 164
- Cardiovascular autonomic neuropathy A158
- Carnitine plasma Type 2 diabetes A121 Catecholamine - diabetes A165
- Cell-line human diabetes research 61c,
- Cerebral function hypoglycaemia, effect of A186, A187
- Cerebrovascular disease Type 2 diabetes 584, 590
- CGRP (calcitonin-gene-related peptide) nerve - insulin resistance A42
- Channel, ion [see Ion channel]
- Cholecystokinin 8s insulin release by A25
- antagonist loxiglumide 721
- role in man 721
- Cholesterol [see also Lipid, Lipoprotein] leukocyte A23
- Chondrocyte mannose-6-P receptor A111 Chromatography - gas - isotope ratio mass
- spectrometry Erratum 372 Chromogranin A - conversion products
- Chylomicron metabolism retinyl palmitate, investigation using 253
- Citiolone 325
- Clamp euglycaemic glucagon infusion 521
- - growth hormone infusion 500
- hyperinsulinaemic 81
- - IGF-I effect 144
- insulin action profile assessment 60c
- islet B-cell function assessment 488
- hyperinsulinaemic amylin, effect of 218
- - muscle GLUT 4 expression 763
- rat 205
- hyperglycaemic islet B-cell function assessment 488
- islet B-cell function normal man 570
- isoglycaemic hyperinsulinaemic sodium excretion 275
- Clinical management diabetes 455b
- Cognitive function hypoglycaemia, following 337
- Collagen [see also Connective tissue] glycation A7
- Type IV glomerular glucose, effect of Complications - pancreas transplantation
- Computing EASD Study Group DO IT (Supp 2) I w

- Connective tissue [see also Collagen] lung diabetes A162
- Consumption diabetes market Europe
- Control of diabetes [see Fructosamine; Glucose - blood; HbA1; Retinopathy; Nephropathy]
- Cori cycle A48
- Counterregulation hormones dawn phenomenon 21
- Countertransport Na+/K+ flow microcalorimetry A114
- Na+/Li+ A67, A68
- - angiotensin sensitivity in diabetes 595
- diabetic nephropathy 126
- elevated renal function A31
- erythrocyte A135, A136
- nephropathy not inherited? 452c
- Crabtree effect RINm5F cell line A83
- CSII [see Insulin infusion sc]
- Cuprolinic blue capillary basement membrane study 301
 - Cyclosporin glucose tolerance, effect on
 - islet, effect on A96
- kidney transplantation Type 1 diabetes
- toxicity BB rat 390
- Type 1 diabetes 429
- Cysteine-rich intestinal polypeptide A84 Cystic fibrosis - diabetes development
- Cytokine [see also Interferon, Interleukin,
- Heat shock protein] islet B-cell, effect on A95, A8
- Type 1 diabetes A190, A191
- Cytometry flow A114

D

- Dawn phenomenon 21
- bedtime semilente, effect of A183
- Death sudden diabetes 182
- Dendritic cell BB rat A54
- Denervation pancreas S81 Dexamethasone - glucose transporter gene
- expression adipocyte A120 insulin receptor, effect on A111
- Diabetes autoimmune 46
- gestational A198
- islet B-cell autoimmunity 507
- heterogeneity autoimmune diabetes in adults 46
- Type 1 epidemiology [see Epidemiology]
- risk factors vaccinations and infec-
- tions 176 - Type 2 - complications - UK prospective
- study 877 heterogeneity - familial vs sporadic?
- A171 - - heterogeneity - obesity 482
- islet-cell antibody insulin secretion 402
- prevention diet & exercise Malmö study 891
- treatment UK prospective study 877 Diabetologia - future (Supp 2) XIII w Dialysis - peritoneal - continuous ambulato-

Diamine oxidase

Diamine oxidase - diabetic enteropathy A4 Diaphragm - impaired function in diabetes A155

Diazoxide - glucose-inhibition of insulin release, effect on A25

Diet [see also Nutrition; Vitamin; Ascorbic acid]

- bread - β-glucan fibre-enriched A196

- diabetes A195-A197

 fat - glucose tolerance, effect on - diabetic rat A 128

- - insulin secretion - mouse A85

- fatty acids A32

 - monounsaturated - Type 2 diabetes A 140

- - ω-3 - Type 2 diabetes A140

- fibre - atherogenesis, effect on A141

- - Type 2 diabetes - elderly A 196

- fish oil A140, A141

 GLUT-4 gene expression - muscle A 120

- - lipid balance, effect on A121

- - diabetes A140, A141, A143

- fructose - elderly diabetic rat A167

 prevention Type 2 diabetes - Malmö study 891

protein - low - insulin sensitivity enhanced in rat 559

 sucrose - GLUT-4 gene expression - muscle A120

- sweets - diabetes A195

 weight-reducing - Type 2 diabetes A 195, A 196

DNA - mitochondrial - streptozotocin diabetes 626

Dog - amylin precursor sequence 555 Dopamine - intrarenal - Type 1 diabetes 114

E

EASD - 26th General Assembly - minutes (Supp 2) X w

- membership (Supp 2) XII w

 27th General Assembly - abstracts (Supp 2) XV-A201

- future meetings (Supp 2) A220

 organisation section (Supp 2) A220
 Study Group - Artificial Insulin Delivery Stms (AIDSPIT) (Supp 2) IV w

- - Control of Metabolism (Supp 2) VII w

Education (DESG) (Supp 2) VI w
 Epidemiology(Supp 2) III w

- Epidemiology(Supp 2) III w - Information Technology (DO IT) (Supp 2) I w

- - Lipoproteins (Supp 2) IX w

- Neuropathy (NEURODIAB) (Supp 2)

- - Nutrition (DNSG) (Supp 2) I w

- - Pregnancy (DPSG) (Supp 2) VIII w Eating disorder - Type 1 diabetes - retino-

pathy 288 c Editorial - A Letter from the Editor 1 Education - diabetes (Supp 2) VI w

- - computer A69

- - evaluation A69, A70

- - foot care A161

- - mass media awareness campaign A69

- hypertension A175

Electrocardiography - diabetes 584

diabetes 590Q-T interval - arrhythmogenic? A159

- autonomic neuropathy 182
- nocturnal hypoglycaemia A158

Electroencephalography – nocturnal hypoglycaemia 750

Embryo - culture - rat 325

 ketosis, teratogenetic effect of - mouse 289

- malformation [see also Teratogenesis]

- neural tube defects 289

Endothelium A16

- insulin, passage of A35

Endotoxin - shock - diabetes - dog 687 Enteropathy - diabetic - pancreas transplantation S138

Epidemiology - diabetes A177-A179

- diabetes - EASD Study Group (Supp 2)

- - familial - Finland A177

- Type 1 diabetes A51

- childhood - Sweden 176

- - Denmark A177

- - Estonia A177

- - familial - Turkey A177

- - increasing incidence - Finland 282

- - Israel 515

- - Norway 271

- - Spain A178

 vascular complications of diabetes 584, 590

Epinephrine [see Adrenaline]
Erythrocyte - deformability A74

- Type 1 diabetes A136 Esophagus [see Oesophagus]

Estrogen [see Oestrogen]

Exercise - albumin excretion rate - glycation 813

 albuminuria - predicting diabetic nephropathy A133

 blood pressure - microalbuminuric Type 2 diabetes A144

- GLUT-4 gene expression A119

 lipid levels in Type 2 diabetes, effect on A24

 prevention Type 2 diabetes - Malmö study 891

 sympathetic/adrenal medullary effects diabetic rat A129

- Type 2 diabetes - feasibility A180

Eye - barrier permeability - radiolabelled probes 862

 blood-aqueous and -vitreous barriers streptozotocin diabetes 862

 vitreous oxygen tension - streptozotocin diabetes 469

F

Faecal incontinence A156

Family study - Type 1 diabetes A 104

- - prediction - Lyon 186 - diabetic multiplex - recruitment - pub-

licity 685 c Fatty acid [see also Diet]

- essential - deficiency - streptozotocin diabetes, protection 709

- metabolism A32

- - glucose metabolism, and A121-A123

non-esterified – glucose, metabolic effects 205

- glucose, metabolic effects 409

- - insulin resistance, role in 192

postprandial - Type 1 diabetes 253
 ω3 - treatment A74

 polyunsaturated - glucose-6-phosphatase, effect on A116

Fertility - female - diabetes A198 - male - Type 1 diabetes A154

Fetus - C-peptide secretion - maternal diabetes A110

malformation [see also Embryo; Pregnancy; Teratogenesis]

- - maternal diabetes 289

- - rat 373

- insulin secretion - maternal diabetes - rat 373

Fibrinolysis A45, A46

- insulin resistance 457 r

- insulin resistance 43/1 - insulin, effect of - lipoproteins and A142

- lipoprotein(a) - diabetes A139

Fibronectin A45

- glomerular - fa/fa rat 786

Fig leaves A181

Fine-needle aspiration biopsy – diabetic foot

Fish oil [see Diet]

Foot - diabetic A39, A160, A162

pressures A40

Fracture - rate - diabetes A163

- embryo - diabetic pregnancy 325

- hypoglycaemia, activity in A187

- islet - interleukin 1β , induction by 150

oxidative - diabetes 171
oxygen - Type 2 diabetes A153

Fructosamine - continuous ambulatory peritoneal dialysis A163

- HbA₁ comparison A172

- method A172

Futile cycling A123

y

G-protein - insulin receptor kinase regulation A112

Galanin - antagonist - galantide A24

- islet B-cell A82, A83, A87 Galantide A24

Gallbladder - motility - diabetes - erythromycin, effect of A5

Ganglioside - experimental neuropathy, effect in A21

- islet - NOD mouse A53

Gangrene - diabetes - continuous subcutaneous insulin infusion A161

Gastric inhibitory polypeptide [see GIP]
Gastrointestinal motility - diabetes A155,

A 156 Gastroparesis A4

Genetics - diabetes - human cell lines 61c,

diabetic nephropathy - insulin gene
 RFLP 680

- diabetic retinopathy 441

- NOD mouse A78

Type 1 diabetes - HLA A64, A65
 - HLA - DQ 109

- - HLA-DQ Japan 133
- - Indian Asian 576
- - trans-racial studies 109
- - tumour necrosis factor β 576
- Type 2 diabetes, common factor 350
- Type 2 diabetes A70, A71
- amylin India A 106
- gene 103
- - glucose transporter genes not linked
- GLUT 2 gene RFLP 734, 817
- haptoglobin 350
- insulin receptor A100
- gene RFLP 260, 265, 742
- Type 1 diabetes, common factor 350
- Gepts, Willy obituary 847
- GIP insulin secretion, effect on A14 Glomerular, Glomerulus - basement membrane - diabetes A44, A45
- dopamine, effect of A135
- Type 1 diabetes kidney transplantation 668
- collagen Type IV synthesis glucose, effect of 198
- fibronectin accumulation fa/fa rat 786
- hyperfiltration aldose reductase inhibitor A28
- kallikrein excretion A137
- prospective study 59c, A1, 611c
- - prostaglandins, role of 595
- Type 1 diabetes A62
- Type 2 diabetes A144
- mesangial expansion glucose, effect of
- Type 1 diabetes transplantation 668
- prostaglandin aldose reductase inhibitor - rat 225
- GLP (glucagon-like peptide) 1(7-36) amide - insulin secretion A90
- receptor localisation A114
- insulin secretion, effect on A14
- Glucagon amylin secretion, effect on
- hepatic glucose autoregulation, effect on A 123, 521
- hypoglycaemia treatment intranasal A 189
- like peptide [see GLP]
- secretion arginine-stimulated hyperinsulinaemic obesity 801
- insulin, effect of 801
- Glucitollysine radioimmunoassay for HbA_{1c} 40
- Glucocorticoid [see also Dexamethasone] Gluconeogenesis - hepatic - respiratory chain inhibitor A115
- Glucose biosensor (Supp 2) IV w
- blood measurement bedside evaluation A176
- '- Haemocue A174
- - monitoring intensive A172
- - Type 2 diabetes 662
- - profile vs fasting A172
- - normal and diabetic Claude Bernard lecture 1989 67 r
- consumption cerebral A59
- disposal muscle GLUT4, role of 763
- fatty acid cycle 192, 205
- metabolism A32
- - IGF-I, effect of rat 144

- - studies in man A47, A48
- production endogenous glucose load, effect of A124
- - hepatic A123, A124
- - glucagon infusion, effect of 521
- sensor subcutaneous implanted A174
- subcutaneous measurement
- microdialysis A174
- tolerance impaired islet B-cell function A108, A108
- - impaired risk of diabetes 201c
- - stature, negative association with 531
- - test IV pancreas transplantation S53
- - prediction of Type 1 diabetes 93
- - oral amylin response 129
- - reproducibility 201 c
- transport A119-A121
- - C-peptide, effect of 899
- - in vitro A11
- - in vivo A2
- transporter gene expression ageing 477
- - GLUT 4 Type 2 diabetes A3
- - rat embryo A6
- - GLUT 2 Type 2 diabetes 734, 817, A71
- - GLUT 4 location A3
- - HIT cell insulin, effect of 366
- - localization A12
- - skeletal muscle glucose disposa, role in 763
- turnover growth hormone, effect of 500
- - hepatic non-esterified fatty acids, effect of 409
- pancreas transplantation, following 345
- - insulin-insensitive cells diabetes A118
- - method A124, A125
- - non-esterified fatty acids, effect of 205
- uptake insulin-stimulated substrate concentrations and A32
- positron emission tomography A 58
- skeletal muscle tumour-induced hypoglycaemia 17
- Glucotoxicity insulin secretion recovery - rat 640
- islet B-cell function normal man, no evidence in 570
- NOD mouse islets 6
- Glutamate insulin secretion A90
- Glutamic acid carboxylase gene A17
- antibody [see Antibody islet-cell]
- Glutathione peroxidase 325
- Glycaemic control of diabetes [see Fructosamine; Glucose - blood; HbA1; Retinopathy; Nephrop'y]
- Glycaemic control of diabetes nephropathy, role in 164
- Type 1 diabetes neuropathy 822
- Type 2 diabetes UK prospective study
- Glycation [see also Maillard reaction] A7, A162, A163
- albumin assay HPLC 766c
- - nerve permeability 78
- - renal clearance, effect on exercise
- collagen mechanical effects 12

- end product advanced HLA A101
- - vascular collagen-linked fluorescence A166
- - antibody A163
- haemoglobin [see also HbA₁]
- proteins pregnancy A 199
- tubulin diabetic rat sciatic nerve 387
- Glycerol lipolysis marker 320
- phosphate shuttle streptozotocin diabetes A85
- Glycogen skeletal muscle A47
- stores glucose metabolic effects 205
- synthase muscle glucocorticoid A59
- - obesity 239
- Type 2 diabetes diet A59
- - Type 2 diabetes A70, A71
- synthesis regulation liver A116 Glycogenesis - IGF-I, effect of 144
- Glyoxalase liver activity diabetic rat A 162
- Growth childhood prediabetes Type 1 A 100
- factor [see also IGF] A13
- - epidermal urinary diabetic nephropathy A194, A195
- islet gene expression A34
- - therapy wound healing A160
- hormone dawn phenomenon 21
- - diabetic retinopathy, in A151
- insulin resistance 500
- - islet B-cell, fetal A85 - - metabolic effect A13, A122
- - receptor insulin-secreting cell A115
- - kidney 632
- - releasing hormone Type 1 diabetes, effect in A128
- - therapy longterm metabolic effect A 193
- GTP binding protein smg25/rab3 insulin-secreting cells A84
- Guanine nucleotide regulatory protein fa/fa rat 565

H

- Haem oxygenase islet 150
- Haemochromatosis diabetes, prevalence
- in A179
- Haemorrheology A73, A74 Hamster - Chinese - perchlorate, effect of
- on diabetes A76 Haptoglobin - allotype - Type 2 diabetes
- 350 HbA_{1c} - assay - radioimmunoassay 40
- Head-weaving streptozotocin diabetic mice - 5-HT agonist effect 537
- Healing diabetes growth factor therapy A 160
- Health care systems diabetes Europe A 185 Heart [see also Cardio...; Myocard...; Neu-
- ropathy autonomicl
- autonomic neuropathy A156-A160 - coronary angiography - diabetes, out-
- coronary disease complement activation - diabetes A146
- - risk factor diabetes A134
- - hyperinsulinaemia 356

come A145

- - microalbuminuric diabetes, in A144

- - - pancreas + kidney transplantation S44

- - - Paris prospective study 356

- - - Type 2 diabetes A10

- - Type 2 diabetes 584, 590 - - - albumin excretion rate 655

- diastolic function - Type 1 diabetes - pancreas transplantation \$128

- echocardiography - diabetes - pancreas transplantation S128

- function - endotoxin shock - diabetes 687 - microalbuminuric Type 2 diabetes, in A 145

- ischaemia - metabolic effect A48

rate - diabetes A165

Heat - shock protein - islet - interleukin 1β , induction by 150

Heme [see Haem]

Heparin - streptozotocin diabetes, attenuation of 212

Hepatocyte - fetal rat - insulin processing

Histamine - mast cell, release from - diabetes A 165

HLA [see also Genetics]

DQ - gene probe - allele-specific - Type 1 diabetes 109

- - polymerase chain reaction-RFLP 133

Type 1 diabetes - Japan 133

- - w8 - Epstein-Barr virus homology -Type 1 diabetes 33

- DR - Type 1 and 2 diabetes 350

- pancreas transplantation S31

parental origin - Type 1 diabetes A 102 Type 1 diabetes A64, A65, A101-A104 HPLC (High-performance liquid chromatog-

raphy) 766c

glycated albumin 766c Human Biological Data Interchange 61c Hypercalcaemia - IGFBP-I, effect on A193 Hypercholesterolaemia - rabbit models 139 Hyperglycaemia - fasting [see Dawn phenomenon]

islet B-cell, chronic effect on A85

Hyperinsulinaemia - atherosclerosis A60 - coronary risk factor - Paris study 356

- diabetes complications, and A145-A147

proinsulin/insulin ratio 737

Syndrome X 416

Hyperlipidaemia - treatment - HMGCoA reductase inhibitor A122

Hyperosmolar non-ketotic diabetic coma rhabdomyolysis A173

Hyperparathyroidism - insulin resistance and hypertension A146

Hypertension [see also Countertransport -Na+/Li+]

- diabetes - Na⁺/Li⁺ countertransport

- diabetic nephropathy - causal inference

- - parental cardiovascular disease A134

- hyperinsulinaemia and A19

- insulin resistance, effect on A 147 - office - Type 2 diabetes 684c

- sympathetic activity - insulin, effect of

- treatment - ACE inhibitor A133

- - - diabetes 119, 137 c

- - calcium-channel blocker A133

- - diabetes A38

- Type 1 diabetes - microalbuminuria A 132

- - prevalence 63-65c

- Type 2 diabetes 877

- albumin excretion rate - 655

Hypertriglyceridaemia - Type 2 diabetes metabolic control A52

Hypoglycaemia [see also Counterregulation] A186-A189

catecholamines in - lipolysis A33

- fear of - Type 1 diabetes A176

- nocturnal - ECG changes A158 - - electroencephalography 750

- oral hypoglycaemic agents 662 - severe - cognitive impairment 337

- - diabetic autonomic neuropathy and

- tumour-induced - muscle glucose uptake 17

Type 1 diabetes - pregnancy A 199 Hypoglycaemic agent - AY4166 A91

- oral - α-2 adrenoceptor blocker -SL84.0418 A2, A15, A107 - - benfluorex A180

- - - hepatocyte, effect on A123

- - biguanide - action A30 - - - cellular localisation A29

- - fig leaves (Ficus carica) A181

- - gliclazide - platelets A181 - - hypoglycaemia, afternoon 662

- - metformin A181

- - - cardiovascular risk factors A180

- - with glibenclamide A181

- - secondary failure A182

- - sulphonylurea - Glut 4, effect on A2

1

IAPP (islet amyloid polypeptide) [see Amyl-

IGF (insulin-like growth factor)

- I - arterial smooth muscle proliferation 307

- - diabetic neuropathy and A153

- - - hypercalcaemia, effect of A193

- - - lamb 790

- - embryogenesis, in A6

- - glucose metabolism, effect on - rat 144

- - glucose transport A12

- - kidney hypertrophy, effect on - streptozotocin diabetes 715

- - metabolic effect A13

- - plasma - protein-bound vs free - glucose metabolic effects 790

- - receptor - kidney - 632

- - recombinant human - metabolic effect in Type 2 diabetes A193, A194

- - Type A insulin resistance, use in 675

- - vascular complications in Type 1 diabetes A 194

- II - arterial smooth muscle proliferation 307

- - receptor - chondrocyte A111

Imidazoline - insulin secretion A89

- islet B-cell, effect on - K+ channel A88 Immunity - cell-mediated - Type 1 diabetes - acipimox, effect of A179

Immunocyte - charge - glycation and A7 Immunoglobulin - heavy chain - diabetic retinopathy genetic marker 441

Immunology - clinical A56 - Type 1 diabetes A189-A192

Immunoprecipitation - islet-cell antibody -BB rat 548

Immunosuppression - pancreas transplantation S1-S76

Immunotherapy - NOD mouse diabetes insulin, effect of 314

Type 1 diabetes - acipimox A179

- - anti-IL2R antibody A180

- cyclosporin A + prednisolone A179

- - ethics 536c - - IMDIAB I study A29

- - lack of long-term benefit 429

- - nicotinamide A29, A179

remission - prediction 201c

- high risk - nicotinamide 362

Impotence - evaluation - Rigiscan A154 - treatment - dorsal vein embolisation A154

Infection - endotoxin shock - diabetes dog 687

Information technology [see Computing] Inositol - myo - Na+/K+ATPase, effect on

- phosphate - carbachol-induced - islet A81

phosphoglycan - hepatocyte A117 Instructions to Authors, full Advertisement pages, January and July issues

Insulin - absorption - SC A29

- action 204b

- - in-vitro studies A35

- - mRNA translation A35

- analogue - arterial smooth muscle proliferation 307

- - glycated A182

- - receptor affinity - glycogen synthesis stimulation A117

- - receptor interaction A27

- arterial smooth muscle proliferation 307 - biosynthesis - islet B-cell, in 767 r

clearance - hepatic - receptor recycling

- - offspring of Type 2 diabetic parents A 108

- - pancreas transplantation S81

- concentration in syringe - HPLC A182

- consumption - Europe A 185

degradation A129

delivery system - artificial (Supp 2) IV w dose adjustment - blood glucose prediction - causal prob.netwk A184

endocytosis - fetal rat hepatocyte 868

- fetal rat hepatocyte, processing by 868 - gene - enhancer - IUF1 A55

- - regulation A93

- - regulation A55, A56

- - RFLP - diabetic nephropathy and 680

- - tetrastrand DNA structure in assembled

chromatin A94 - GLUT 4, effect on A3

- infusion - device (Supp 2) IV w device - implantable A175

- - peritoneal A175

peritoneal - lipoprotein, effects on

- portal [see also Transplantation pancreas - venousl
- SC diabetic gangrene, in A161 SC - microalbuminuria, in 164
- intranasal A182
- like growth factor [see IGF]
- mRNA A55
- pharmacokinetics concentration, effect
- pulsatile vs continuous infusion A183
- precursor processing 767 r
- processing fetal rat hepatocyte 868
- receptor A110-A114
- affinity purification A35
- amylin, effect of 218
- autophosphorylation [see also - tyrosine kinase]
- Type A insulin resistance 86
- - β-chain gene Type 2 diabetes 742
- N-glycosylation A27
- binding pancreas transplantation S71
- conformational change A26
- endocytosis 613
- gene RFLP Type 2 diabetes 260, 265
- heterogeneity A35
- insulin resistance, role in 848 r
- isoforms A26
- obesity, effect of A123
- signalling mechanism 848r
- Type 2 diabetes 848 r
- tyrosine kinase Type A insulin resistance 86
- release glucose-stimulated mechanisms A64
- glucotoxicity NOD mouse islet 6
- normal man 570
- mathematical model, assessment using 570
- resistance A36
- ACE inhibitor, effect of 119
- acipimox, effect of A142
- acromegaloidism, with A125 amylin, effect of liver vs periphery
- dawn phenomenon 21
- glycogen synthase activity 239
- growth hormone 500
- GTP binding proteins, liver 565
- hypertension, effect of A147
- hypertriglyceridaemia A33
- insulin receptor, role in 848 r
- liver cirrhosis A59
- maternal diabetes rat 373
- mathematical model 527
- method A125
- non-esterified fatty acids, effect of 409,
- offspring of streptozotocin diabetic rats 81, A126
- plasminogen activator inhibitor 1 levels 457 r
- Reaven syndrome 416
- systemic vs portal pancreatic venous drainage A127
- Type 1 diabetes A126 Type 2 diabetes A58
- diet treatment A126
- Type A insulin receptor kinase activity 86

- - rhIGF-I treatment 675
- sc injection site nocturnal hypoglycaemia and A187
- secreting cell INS-1 A92
- secretion acute prediabetes Type 1
- arginine-stimulated pancreas transplantation S53
- - cholecystokininm role of in man 721
- - glucose-stimulated pancreas transplantation S53
- pancreas transplantation \$57, \$81
- prediction of Type 1 diabetes 93
- glucotoxicity recovery rat 640
- human studies A107-A110
- - in-vitro studies A24, A89-A92
- - maternal diabetes rat 373
- neural control A90
- - pancreas denervation, effect of \$81
- - regulation A14
- - temporal pattern enteral nutrition
- - time-dependent potentiation A89
- sensitivity mathematical model 527
- - protein malnutrition, effect of rat 559
- species autonomic nerve function, effect on A183
- - hypoglycaemia unawareness and A187
- synthesis, A93, A94
- transendothelial passage A35
- treatment Type 2 diabetes islet-cell antibody 402
- Insulinoma cell HIT glucose transport
- - glucotoxicity 366
- - RINm5F splenocyte binding heparin 212
- glucose transporter abnormality A 121
- hypertension? A19
- Insulitis [see also Rat BB]
- NOD mouse A78
- MHC Class I expression 779
- Interferon γ antibody NOD mouse islet MHC expression 779
- Interleukin islet function A8
- 1β insulinoma cell, effect on 445
- islet, effect on heat shock protein 150
- receptor antagonist insulinoma cell protectn 445
- gene polymorphism Type 1 diabetes A64
- International Pancreas Transplant Registry
- Ion channel A63, A86
- Islet amyloid polypeptide (IAPP) [see Amylinl
 - cell purified transplantation BB rat
- Type 1 diabetes A- and D-cell damage A192
- culture human A86
- destruction & repair A95, A96
- extrapancreatic duodenum, rat 604
- fetal porcine nude mouse, transplantation into 379
- function pancreas transplantation S53, S57, S61
- gene expression A33
- metabolism A72, A81-A86

- microencapsulation alginate-polylysine
- mitochondrial mRNA streptozotocin diabetes, reduced in 626

Japan - Type 1 diabetes - HLA A101

- Ketoacidosis A173
- Ketogenesis Type 2 diabetes A128
- Ketosis teratogenicity 289
- Kidney function diabetes hypertension, treated A167
- diabetes pregnacny A201
- - lithium clearance 275
- - lithium, effect of A137
- natriuresis Type 1 diabetes 114
- Type 2 diabetes insulin, effect of 275
- pancreatic diabetes A1
- Type 1 diabetes captopril, effect of 843 c
- haemodynamics lithium, effect of A137
- hypertrophy 632
- - streptozotocin diabetes IGF-I, effect of 715

- Laser Doppler flow measurement S135
- scanning ophthalmoscopy A149
- speckle method erythrocyte flow S131 Lecture - Claude Bernard - 1989 - Blood
- glucose levels 67 r Leucocyte, polymorphonuclear - 1,5-an-
- hydroglucitol transport A118
- insulin, effect of A114 Life expectancy kidney transplantation
- S141 - - pancreas transplantation S141
- quality [see Quality of life]
- table Type 1 diabetes mortality 29
- Lipolysis IGF-I, effect of 144 insulin, effect of - insulin resistance and
- marker glycerol 320 Lipoprotein, Lipid [see also Dyslipidaemia, Cholesterol, Chylomicron, Fatty Acid, Hypercholesterolaemia, Hypertriglycerid-
- aemia, Triglyceride] A137-A143
- (a) diabetes A138-A140
- cholesterol metabolism 139 composition - Type 2 diabetes - glycaemic
- control 246

and 457r

- diabetes A22
- diabetic nephropathy A23
- HDL insulin sensitivity and A147 - Type 2 diabetes - coronary heart disease A61 - urinary loss in diabetic nephropathy
- lipase Dahl-S rat A142 plasminogen activator inhibitor 1 levels

Lithium

profile - Type 2 diabetes - glycaemic control 246

receptor - hepatic - insulin A139

- serum diabetic nephropathy A138, A 139
- - microalbuminuria in diabetes A133
- - pancreas transplantation S47, S76
- - pancreas with kidney transplantation S44

- study group (Supp 2) IX w

VLDL - pseudocholinesterase 320 Lithium [see also Countertransport]

- diabetogenicity - catecholamines, role of A117

renal effects A 137

Liver - denervation A124

Lovastatin - insulin release, effect on A24 Lung - diabetes A8

Lymphocyte - activated - Type 1 diabetes

- B - CD5 producing ICA and IAA A191

fetal - Type 1 diabetes A191

- insulin binding - flow cytometry A114

islet autoimmune destruction, protective against - BB rat 74

- islet-cell-antibody-producing clones -Type 1 diabetes 511

NOD mouse A78

- splenic - insulinoma cell binding - heparin 212

T - activation - Type 1 diabetes and prediabetes A192

- - NOD mouse A52, A53

- - receptor - gene - expression A103

- transformation - Epstein-Barr virus 511 Lysosome - enzymes - plasma - diabetes complications A137

M

Macaca nemestrina 555

Macrophage - islet cell toxicity 232 Macrovascular disease in diabetes - inci-

dence - London 584

- risk factors 590 Magnesium - erythrocyte - Type 1 diabetes A129

- glucose metabolism A127

Type 2 diabetes A130

Magnetic resonance - brown adipose tissue

- imaging - fetus in diabetic pregnancy A6 Malnutrition - protein-energy - offspring, subsequent effect on A197

Maillard reaction 66b

Malnutrition - protein - insulin sensitivity enhanced - rat 559

Mannose-6-phosphate - receptor A111 Mass spectrometry - gas chromatograph isotope ratio - Erratum 372

Mast cell - diabetes A165

Mathematical model - insulin clearance and distribution in liver 613

- insulin release - CIGMA 570

- insulin sensitivity 527

- islet B-cell function 488

MaxEPA [see Fatty acid - ω3]

Metabolism - control - study group (Supp 2) VIII w

- studies in vitro A115-A118

MHC [see also HLA] - Class I - expression in NOD mouse islet 779

Microalbuminuria [see also Albumin excretion rate; Capillary; Albumin]

albumin peroxidase, serum A62

- angiotensin converting enzyme inhibitor A28

diabetic retinopathy and A148

- lipoproteins A11

- nephropathy, progression to - glycaemic control 164

- prospective study A2

- screening - test strips A143

- Type 1 diabetes - blood pressure A132

metabolic control, effect of A133

- Type 2 diabetes A10

- prevalence in 655

Microcirculation - diabetes A73, A74 Microencapsulation - islets A169-A171 Milk - cow - Type 1 diabetes incidence A52

Mineral metabolism - diabetes A164 Mitochondrial - mRNA - islet - streptozotocin diabetes 626

MODY (Maturity-onset diabetes in youth) genetics - adenosine deaminase A71

Molecular mimicry - Epstein-Barr virus & HLA-DQw8 β-chain 33

Monkey - amylin precursor sequence 555 pig-tailed macaque (Macaca nemestrina)

Mortality - pancreas transplantation S1

- Type 1 diabetes - Israel 515

- - Norway 29

- - sex A178

Type 2 diabetes A10

Motilin - insulin secretion, effect on A14 Mouse - db/db - amylin A 106

liver perfusion 613

- NOD (non-obese diabetic) A78, A52, A53

- - diabetes - mouse hepatitis virus, effect of 2

- - - seasonality 2

- - - transfer, adoptive cell - insulin, effect

- MHC Class I expression, islet - anti-interferon-y 779

- ob/ob - amylin A104

- streptozotocin diabetic A80

- head-weaving 537

Multivariate analysis - pancreas transplanta-

tion S37 risk factors in Type 1 diabetes 757

Muscle [see also Angiotensin; Glucose transporter; Glycogen; Insulin receptor; Magnetic resonancel

Muscle - cardiac - G-protein A112

diabetes - angiotensin converting enzyme inhibitor A61

- skeletal - denervation - insulin resistance A110

glucose uptake - tumour hypoglycaemia 17

- - human - C-peptide, effect of 899

- smooth, vascular [see also Artery]

- proliferation - growth factors 307

Myocardial infarction - outcome - diabetes

Natriuresis [see Sodium - balance; Atrial natriuretic peptide]

Nauru - diabetes - islet-cell antibody absent 796

Nephropathy, diabetic [see also Albumin; Angiotensin; Antiport; Countertransport; Kidney; Microalbuminuria; Microangiopathy; Transplantation; Urine] A1, A131-A135

- aldose reductase inhibitor - rat 695

- endothelial damage A16

family cardiovascular disease, lack of 370

- Erratum 536

glomerular mesangial expansion 198

glycaemic control, role of 164

hypertension - causal inference 62c

- not inherited? 452c

intervention A27

- Na⁺/Li⁺ countertransport 126

- not inherited? 452c

- prophylaxis - WBN rat model A167

rate of progression A144

Nerve - conduction - diabetes - glycaemic control A37, 822

- permeability - glycated albumin 78

- streptozotocin diabetes 78

tubulin - glycation 387

Neuropathy A152-A160 - autonomic A4, A154-A160

- - diabetic - aldose reductase inhibitor A37

- - - Q-T interval 182

- - glucose tolerance and A152

- - pancreas transplantation S108, S118-S127

- - renal transplantation S118-S127

- - tests 62c

- diabetic (Supp 2) VI w

- - early changes - glycaemic control 822

- - evoked potentials - somatosensory

A37 - - - visual A37

- - genetic marker - Na+/K+ ATPase A 50

- - hypoxic conduction blockade, comparison in rat 397

- - metabolic control and A152

- - pancreas transplantation S138, S100-S127

- - pathophysiology A49

- - - Erratum 757

- - prevalence A36

- - sweat gland activation 807

- experimental A20

- neuropeptide A49

Neuropeptide Y - diabetic autonomic neuropathy A5

hypothalamus A115

Nicotinamide A29

head-weaving in streptozotocin diabetic mice, effect on 537

macrophage toxicity against islet cells, ef-

fect on 232

Type 1 diabetes delay 362 Nitric oxide - insulin release A92

islet-cell lysis, role in A95

Nuclear magnetic resonance - spectroscopy muscle glycogen A47

Nutrition [see also Diet] - EASD Study Group (DNSG) (Supp 2) I w

- enteral - glucose metabolic effects 435

0

Obesity - diet A195-A197

glycogen synthase activity 239

proinsulin/insulin ratio 737

Type 2 diabetes - pathophysiology 482

Obituary - Willy Gepts 847 Oesophagus - pH A157

Oestrogen - insulin receptor, effect on adipocyte A115

Ophthalmoscopy - scanning laser A149 Osteoporosis [see also Bone - mineral densi-

Oxidative stress - dehydroascorbate/ascorbate ratio - diabetes 171

Oxygen - microelectrode 469

- vitreous - diabetes 469 Oxytocin - islet A25

Pancreas - transplantation [see Transplanta-

Parathyroid [see Hyperparathyroidism]

Patch clamp A63

PC2 - postranslational processing A94 Periodontal disease - diabetes A154, A155 Peripheral vascular disease - Type 2 diabetes 584, 590

Permeabilisation - methods A81 Pertussis - toxin - galanin-stimulated GTPase, effect on A82 Photography - retinal A148, A149

Placenta - amylin expression A 106 Plasminogen - activator - inhibitor 1 - insulin resistance 457 r

Platelet - buffering - diabetes A62

calcium - intracellular mobilisation - diabetes 332

- cGMP - insulin second messenger A113 - pregnancy - glucose intolerance A201 Polymerase chain reaction - RFLP 133

Polymorphism - single-strand conformation insulin receptor β gene 742

Polyol pathway - diabetes complications A 137

Positron emission tomography - glucose uptake A58, A59

Prediabetes - NOD mouse - islet culture glucose concentration 6

Type 1 - glutamic acid decarboxylase antibodies 727

- - growth in childhood A100

- - insulin secretion, acute 648

- - islet B-cell function A99 nicotinamide therapy 362 Prediction [see also Prediabetes]

BB rat diabetes - Antibody - islet-cell

- Type 1 diabetes 536c

glutamic acid decarboxylase antibodies 727

IV glucose tolerance test 93

multivariate risk analysis 757

- - persistent T-cell activation - twins A56

- - relatives 186

- Type 2 diabetes - glucose uptake studies A70

Pregnancy [see also Embryo, Fetus, Oestrogen, Teratogenesis, Diabetes - gestational]

diabetes A6, 455b, A197-A201 - - embryo - free radicals A5

- - insulin secretion & resistance in offspring - rat 373

- Joslin Clinic Method 66b

- - magnetic resonance imaging A6

screening A6

- - study group (Supp 2) VIII w

- normal - blood glucose and outcome A200

Preproinsulin 767 r

Pro-opiomelanocortin - expression - diabetes A79

Procollagen peptide - Type III - peripheral vascular disease A61

Proinsulin 767 r

antibody - monoclonal 463

C-peptide ratio - Type 1 diabetes remission prediction 201c

cleavage A54, A55

mutant cDNA transfection, effect of A94

heterogeneity A15

- insulin ratio - obesity 737

secretion - Type 2 diabetes A108

split - Type 2 diabetes - cardiovascular risk factors 202 c

Prolamine - pancreatic duct occlusion S14 Prorenin - diabetic microangiopathy A131 Prostaglandin - glomerular - aldose reductase inhibitor, effect of - rat 225

Protein - kinase - C [see also Insulin receptor] A63

- glucose transport - adipocyte A112

- trafficking - B-cell, pancreatic 767 r Pseudocholinesterase - diabetes, increased in - lipoprotein 320

Psychological stress - Type 1 diabetes risk factor 579

Psychology in diabetes - depression A173

- education and employment A176 - performance testing A174

stress coping A173

Puberty - diabetic renal hypertrophy, effect on - rat A 193

Publicity - family study, recruitment to

Pulsatility - islet B-cell secretion A109 Pump [see Countertransport; Insulin infusionl

Pyruvate - dehydrogenase - non-esterified fatty acids, effect of 205

Quality of life - kidney transplantation S141-S159

pancreas transplantation S138-S159 Quinine - islet, effect on A93

Rabbit - cholesterol-fed 139

hypercholesterolaemic diabetic 139

spontaneously hyperglycaemic A116

Radical - free [see Free radical] free - embryo - diabetes A5

Radioimmunoassay - HbA_{1c} 40 Rat - BB A54

- - capillary basement membrane 301

- - diabetes A79, A80

- - hyperglycaemia, immunosuppressive effect A67

- - islet cell transplantation 390

islet repair A96

- - islet transfer 74

- - lymphocyte transfer 74

- - normoglycaemic - mechanism 74

- - RT6-depleted - insulin prevents diabetes, not thyroiditis 296

Dahl salt-sensitive - adipose tissue lipoprotein lipase A142

duodenal islets of Langerhans 604 - fa/fa A77

glomerular fibronectin 786

GTP binding proteins, liver 565 GK Wistar - heredity and diabetes A76

- LETL - diabetes A77

sand - insulin receptor A112

Zucker [see - fa/fa]

Reaven syndrome 416, A60

insulin resistance 416

siblings of Type 2 diabetic subjects A126

Receptor - hormone A26 Reg gene - BB rat A96

Registry - Type 1 diabetes - Norway 29

Renin [see also Prorenin] A31

Respiratory chain - inhibitor A115 Retinopathy - diabetic A41, A148-A151

- - albumin excretion rate 655

- - aldose reductase inhibitor - rat 695

eating disorders in Type 1 diabetes 288 c

- - genetic markers - India 441

genetics - immunoglobulin A41

pancreas transplantation S138, S86-S99

screening 844c

Type 2 diabetes - genetics 441 Retinyl palmitate - chylomicron label 253 RFLP (Restriction fragment length polymor-

GLUT 2 - Type 2 diabetes 734

Type 2 diabetes 817

insulin gene - diabetic nephropathy 680

insulin receptor gene 260, 265

polymerase chain reaction 133 Rhabdomyolysis - hyperosmolar non-ketotic

diabetic coma A 173 Risk factors - Type 2 diabetes A10

Russel viper venom - insulin secretion A91

S

San Antonio Heart Study A52 Sardinia - Type 1 diabetes A51 Screening - complications of diabetes elderly in-patients A 185

- diabetes - postal A184

Serotoninergic mechanisms

Serotoninergic mechanisms - cardiovascular - diabetes A164

Shoes - diabetic foot A40

Simvastatin - diabetic nephropathy A143 Skin - vasomotor function - assessment A157

Sodium - balance - Type 1 diabetes 114

- - Type 1 diabetes A30

- excretion - Type 2 diabetes - insulin, effect of 275

Somatostatin - islet - paracrine effect A90 Spectral analysis - cardiovascular autonomic function A158, A159

Squatting A158

St. Vincent Declaration - diabetic retinopathy screening 844c

Stature - adult - glucose tolerance and 531 Streptozotocin diabetes - heparin, attenuation by 212

islet mitochondrial gene expression 626

- kidney hypertrophy - IGF-I 715 - low-dose - essential fatty acid deficiency

- mouse - head-weaving - 5-HT and insulin roles 537

- offspring - insulin resistance 81 Stroke - outcome - diabetes A146 Suicide - Type 1 diabetes 29

Sulphonylurea - insulin release - mechanism A91

receptor A63, A86, A87 Superoxide dismutase 325

Suprarenal [see Adrenal] Sweat gland activation - diabetic neuro-

pathy 807 Swedish childhood diabetes study - psychological stress 579

risk determinants 757

Syndrome X [see Reaven syndrome]

Taste - threshold - diabetes A155 Tendon - rat tail - glycation 12

Teratogenesis - diabetic - free radicals 325 - ketosis 289

Tetraisopropylpyrophosphoramide - pseudocholinesterase inhibitor 320

Thyroid - hormone - GLUT-4, effect on A12

Type 1 diabetes A128

Thyroiditis - BB rat - RT6-depleted 296 Thyrotropin releasing hormone - mRNA islet B-cell A82, A83

Thyroxine - 5'-deiodinase - islet A83 Transmigration - Type 1 diabetes incidence

Transplantation [see also Cyclosporin] - fetal porcine islet-like cluster - nude

mouse 379

islet A168-A171, (Supp 2) IV w - - cryopreserved 55

diabetic cardiomyopathy, efect on A 164

experimental A66

- - in man A75

- - microencapsulated - diabetic rat 542

- islet cells, purified - BB rat 390

- kidney - Type 1 diabetes 668

kidney with pancreas - renal outcome S11, S16, S30

- pancreas A 168, A 169, (Supp 2) IV w duct diversion - bladder S4, S8, S18,

S24, S30 - - - intestine S8, S21, S30

- - duct management S4-S76

- - duct occlusion S8, S11, S30

- - - delayed S4

- - - prolamine S14

- - echocardiography S128

Göteborg S1

immunosuppression S32

- - Innsbruck S4

International Registry S28

- - Lyon S8

glycaemic control following \$40, \$47, S51, S68, S76, S81

- - Milan S11

- - Munich S14

neuropathy, effect on \$100-\$127

- - Oslo S18

- - outcome S1-S159

preservation S32

- - quality of life S138-S159

recurrent diabetes A76

rehabilitation S138-S159

- - retinopathy, effect on S86-S99

segmental - insulin secretion S53

Stockholm S21

- - Tübingen S24

venous drainage - portal vs systemic 345, 702, A47, S40, S81

whole vs segmental S51

Triglyceride - postprandial - Type 1 diabetes 253

Tubulin - glycation 387

Tumour - hypoglycaemia 17

- necrosis factor [see also Cytokines, Genet-

- - BB rat A54

- - Type 1 diabetes 576, A65, A103

- - Japan 133

Tunnelling - enzyme-to-enzyme - islet glycolysis A72

Type 1 diabetes - psychological stress as risk factor 579

Tyrosine kinase [see also Insulin receptor] - substrate A113

U

UK Prospective Diabetes Study 877 Ulcer - foot - fine needle aspiration biopsy A 162

Urine - infection - diabetes A165

Vaccination - Type 1 diabetes incidence following 176

Valsalva manoevre A156

Vanadium - insulin release - mechanism A91

Vasoactive intestinal polypeptide [see VIP] Vasopressin - islet A25

VIP (vasoactive intestinal polypeptide)

fa/fa rat A77

islet, effect on - ionic flux A64

Virus - cytomegalo- - DNA - Type 2 diabetic pancreas A100

- Epstein-Barr - HLA-DQw8 β-chain homology - Type 1 diabetes 33

- lymphocyte transformation 511

- measles - Type 1 diabetes 176

mouse hepatitis - NOD mouse 2

NOD mouse A78

retro- - DNA - Type 1 diabetes A100

Vision - colour - diabetes A41

contrast sensitivity - early diabetes A150 Vitamin - C [see Ascorbic acid]

Von Willebrand factor - diabetic retinopa-

thy A150

Waist/hip ratio - glucose tolerance 531 Western blotting - differential - islet-cell antibody - BB rat 548

WHO - Multinational Study of Vascular Disease in Diabetics 584, 590

